

# NEBRASKA

## WEATHER & CROPS

NEBRASKA  
AGRICULTURAL  
STATISTICS  
SERVICE

For Week Ending June 30, 1996

Issue: 16-96

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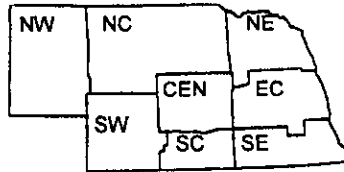
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National Weather Service



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Division of Agr'l Statistics  
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### WEATHER

Average temperatures for the week ranged from three to five degrees above normals. Precipitation was generally light across the State averaging from a tenth to a half an inch.

### GENERAL

Warm, humid weather conditions continued to boost crop development last week, according to the Nebraska Agricultural Statistics Service. Most of the wheat crop was turning color, with some test cutting in the southeast. Corn growth accelerated last week with some fields now too tall to cultivate. Grasshopper populations were a concern in the east and southeast districts, while corn borer activity was picking up in the eastern two-thirds of the State. Nebraska producers in most areas were able to conduct fieldwork activities nearly every day last week; however, the south central and east central districts experienced some rain delays. Producer activities included spraying herbicides, cultivating row crops, irrigation preparation activities, cutting of alfalfa, and grain marketing.

### CROPS

Winter wheat condition rated 6% very poor, 19% poor, 41% fair, 31% good and 3% excellent. The crop was turning color at a rapid pace with 74% coloring as of Sunday. This was ahead of last year's 67% but still behind the five-year average of 86%. The crop was beginning to ripen, about ten days behind normal. Test cutting had begun in the Southeast last week. Reports indicated that harvest activities will begin in most southern counties in the next five to seven days. Panhandle harvest was expected to begin near mid-month.

### CROPS (Cont.)

Corn condition rated 1% very poor, 2% poor, 22% fair, 58% good, and 17% excellent. Cultivating, hilling, and spraying for weed control continued. Crop growth moved at a rapid pace last week due to the hot, humid conditions. Corn borer activity was reported in the eastern two-thirds of the State with some spraying being done.

Soybean emergence was virtually complete as of Sunday. This compares with 94% in 1995 and 98% average. Condition of the crop rated 1% very poor, 3% poor, 21% fair, 62% good, and 13% excellent.

Sorghum emergence was also virtually complete by the end of the week, compared to 92% last year and 98% for the five-year average. Condition of the crop rated 3% poor, 28% fair, 59% good, and 10% excellent.

Oats condition rated 1% very poor, 3% poor, 29% fair, 55% good, and 12% excellent. The crop was 90% headed as of Sunday.

Dry bean emergence was 97% complete as of Sunday. Last year at this time, 87% of the crop had emerged.

Alfalfa condition rated 1% very poor, 5% poor, 31% fair, 51% good, and 12% excellent. The first cutting advanced to 96% complete, compared with 95% last year and 98% for the average. Wild hay condition rated 1% poor, 23% fair, 68% good, and 8% excellent.

### LIVESTOCK, PASTURE & RANGE

Pasture and range condition rated 1% poor, 21% fair, 66% good and 12% excellent. Pasture continued to develop well due to adequate moisture and warm conditions. Hot, humid conditions stressed feedlot cattle affecting rate of gain. However, no losses from these conditions were reported.

FIELD WORK PROGRESS AS OF JUNE 30, 1996	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% Wheat Turning	58	50	91	53	93	91	87	100	74	37	67	86
% Wheat Ripe	0	0	0	0	0	0	16	12	4	0	4	29
% Sorghum Emerged	n/a	100	97	100	100	96	100	100	100	92	92	98
% Soybeans Emerged	n/a	100	99	100	99	99	100	100	99	91	94	98
% Alfalfa First Cutting	91	93	99	98	97	99	95	100	96	84	95	98
% Oats Headed	56	95	96	96	85	93	95	100	90	68	n/a	n/a
% Dry Beans Emerged	99	100	100	100	n/a	89	n/a	n/a	97	83	87	n/a
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JUNE 28, 1996												
Days suitable	5.6	6.9	5.8	5.9	4.4	5.6	4.3	5.9	5.5	4.9	6.1	
Topsoil moisture - Very Short	0	0	0	0	0	0	0	2	0	0	6	
(Percent) - Short	38	31	12	31	19	4	8	45	24	9	39	
- Adequate	62	68	86	68	70	94	82	53	72	79	52	
- Surplus	0	1	2	1	11	2	10	0	4	12	3	
Subsoil moisture - Very Short	0	0	0	0	0	0	2	0	0	0	0	
(Percent) - Short	8	11	3	11	5	21	13	17	10	8	4	
- Adequate	92	87	95	86	88	79	81	83	87	86	86	
- Surplus	0	2	2	3	7	0	4	0	3	6	10	

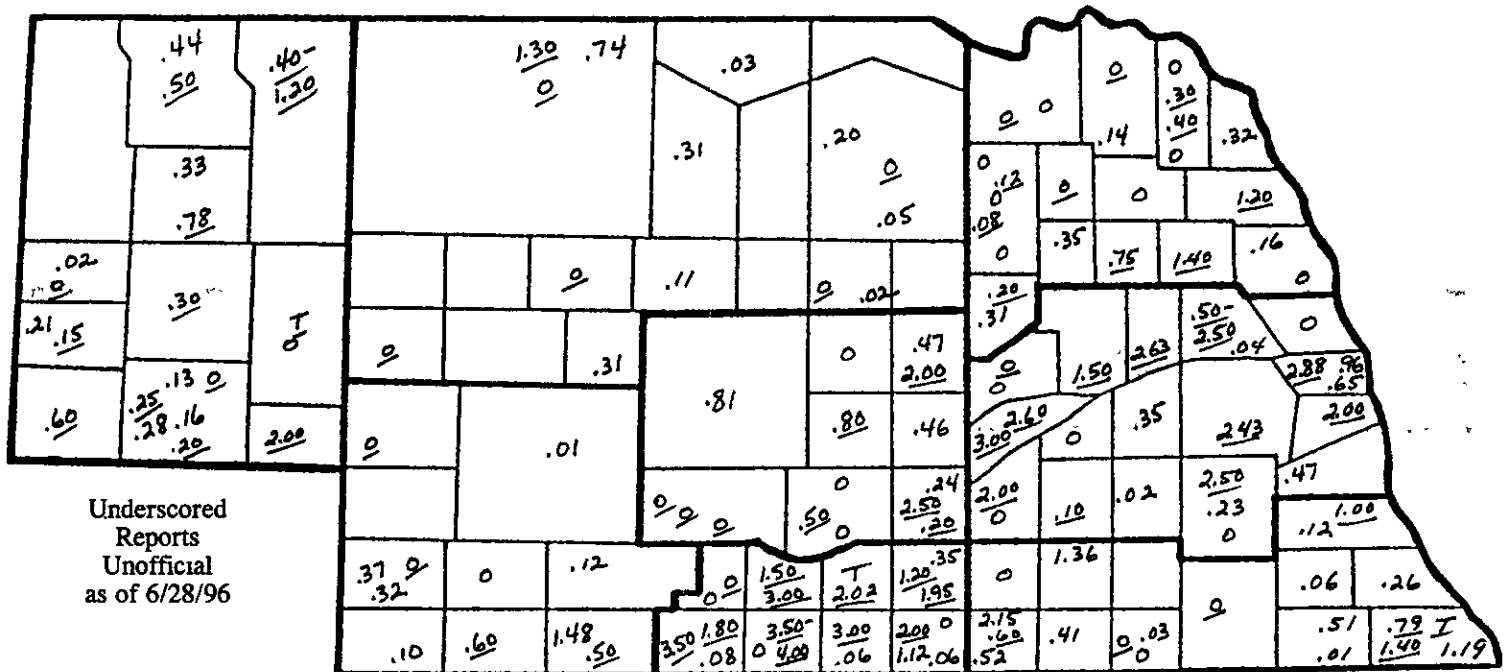
n/a = not available

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# PRECIPITATION MAP FOR WEEK ENDING SATURDAY, JUNE 29, 1996



## PRECIPITATION, APRIL 1 - JUNE 29, 1996

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	.20	.22	.10	.28	.23	.34	.19	.51
Total since April 1	6.72	8.69	9.98	11.34	15.49	9.89	14.18	13.65
Normal since April 1	7.70	8.91	10.34	9.98	11.05	8.46	9.73	10.88
Total as % of normal	87%	98%	97%	114%	140%	117%	146%	125%

## TEMPERATURE AND PRECIPITATION, WEEK ENDING SATURDAY, JUNE 29, 1996 GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, JUNE 30, 1996

Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches	Last Week	Current	Normal
		Max	Min						
NW	Chadron	96	52	75	---	---	---	---	---
	Scottsbluff	94	54	75	+4	.02	743	920	920
	Sidney	91	52	73	---	.16	679	843	884
NC	Valentine	94	50	76	+5	.74	---	---	---
	Arthur	---	---	---	---	---	677	848	920
	O'Neill	---	---	---	---	---	706	889	1005
NE	Norfolk	94	54	78	+5	.35	---	---	---
	Sioux City	93	58	78	+5	.32	---	---	---
	Concord	---	---	---	---	---	740	937	1098
	Elgin	---	---	---	---	---	741	932	1102
	West Point	---	---	---	---	---	796	1002	1107
CEN	Grand Island	95	58	78	+4	.24	---	---	---
	Ord	94	55	77	---	0	771	960	1068
	Kearney	---	---	---	---	---	842	1042	1109
EC	Lincoln	95	61	80	+4	.23	895	1113	1244
	Omaha	97	63	79	+4	.96	---	---	---
	Central City	---	---	---	---	---	839	1041	1158
	Mead	---	---	---	---	---	865	1075	1175
SW	Imperial	90	59	74	---	.32	---	---	---
	North Platte	90	57	74	+3	.01	786	960	982
	McCook	---	---	---	---	---	840	1028	1118
SC	Holdrege	---	---	---	---	---	864	1066	1115
	Red Cloud	---	---	---	---	---	912	1125	1143
SE	Beatrice	---	---	---	---	---	928	1144	1110
	Clay Center	---	---	---	---	---	837	1033	1154

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the High Plains Climate Center.